

SCHEMATIC OF THE HEATHKIT® HAND-HELD TRANSCEIVER MODEL GW-31A

NOTES:

ALL RESISTOR VALUES ARE IN OHMS (K = 1000).

○ INDICATES VOLTAGE READING.

ALL VOLTAGES ARE MEASURED FROM POINT INDICATED TO CHASSIS GROUND.

VOLTAGE READINGS TAKEN WITH AN 11 MEGOHM INPUT VTVM.

VOLTAGES MAY VARY ±10%.

SWITCH SW1 SHOWN IN TRANSMIT POSITION.

VOLTAGES AT Q3 AND Q4 TAKEN UNDER THE FOLLOWING CONDITIONS:

DUMMY LOAD POSITIONED ON TRANSMITTER OSCILLATOR COIL L4.

TEST CAPACITOR C18 CONNECTED TO TP ON CIRCUIT BOARD.

SWITCH SW1 IN TRANSMIT POSITION.

ANTENNA REMOVED.

VOLTAGES AT Q1 AND Q2 TAKEN UNDER THE FOLLOWING CONDITIONS:

REGENERATION CONTROL SET FOR LOUDEST HISSING SOUND FROM

SPEAKER. THEN SET THE VOLUME CONTROL FOR MINIMUM VOLUME.

ANTENNA CONNECTED.

REFER TO THE X-RAY VIEWS FOR THE PHYSICAL LOCATION OF PARTS ON THE CIRCUIT BOARD.

